RESEARCH PROBLEM STATEMENT				
Problem Title	Determination of Crash Costs for Use in Bo	enefit/Cost Analysis	No.: 05.05.11	
Submitted By	: Jim McMinimee and Doug Anderson	E-mail:		
1. Briefly describe the problem to be addressed:				
The available information that is used to estimate benefit/cost for transportation related improvements should be reviewed. Very high estimates of crash costs have been used in the past. This appears to be a case where societal estimates are being used for analytical purposes. Current value used by UDOT is 3.1 Million.				
	stimates for pavement management, bridge replacements, intersoneed to be appropriate and comparable.	ection analysis, safety, traffic congestion mitigation, a	nd other transportation	
2. List the re	search objective(s) to be accomplished:			
<ol> <li>Review national studies performed on the subject. Health industry, life insurance industries, etc.</li> <li>Identify other states practices.</li> </ol>				
3. Ma	ke recommendations with regards to the value for one human lif ate policy that can be sued by each of the areas listed above	e in other industries		
3. List the m	ajor tasks required to accomplish the research objective(s):	Estimated person-hours		
	erature search, industry search ate list of all the values used and how these values were determined	ned		
4. As	nmarize the research emble a TAC that makes decision on what value to use and deteles, etc. ke Recommendations	ermine how this value will affect cost/benefit estimate	s, asset management,	
4. Outline the proposed schedule (when do you need this done, and how we will get there):				
One Year or ASAP Literature Search has been done				
5. Indicate type of research and / or development project this is:				
Large: Small: X	Research Project Development Project Research Evaluation Experimental Feature	☐ New Product Evaluation ☐ Tech Transfer	Initiative:	
6. What type	of entity is best suited to perform this project (University, Cons	ultant, UDOT Staff, Other Agency, Other)?		

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7. What deliverable(s) would you like to receive at the end of the project? (e.g. useable technical product, design method, technique, training, workshops, report, manual of practice, policy, procedure, specification, standard, software, hardware, equipment, training tool, etc.)  A report documenting recommended values. The report will recommend policy for use UDOT Policies.					
8. Describe how will this project be implemented at UDOT.  Ues their value to implement cost/benefit Analysis and establish a S	State Policy				
9. Describe how UDOT will benefit from the implementation of t	his project, and who the beneficiaries will be.				
UDOT has already been mandated to prioritize projects, and UDOT need a value that can be used					
10. Describe the expected risks, obstacles, and strategies to overcome these.					
Current Policy					
11. List the key UDOT Champion of this project (person who will help Research steer and lead this project, and will participate in implementation of the results): Jim McMinimee					
12. Estimate the cost of this research study including implementation effort (use person-hours from No. 3): \$20,000					
13. List other champions (UDOT and non-UDOT) who are interested in and willing to participate in the Technical Advisory Committee for this study:					
Name	Organization/Division/Region	Phone	Attended UTRAC?		
A) Paul Vidmar					
B) Jim McMinimee					
C) Doug Anderson					
D) Research					
E) Risk Management/Loss Control					
F) Traffic and Safety					
G) FHWA					
14. Identify other Utah agencies, regional or national agenci	ies, or other groups that may have an interest in suppor	rting this study:			
UDOT					